



Figure 1

Figure 2.

Average Ct

Sample

Human Genomic_clontech
Malignant mammary adenocarcinoma pleural effusion
Mammary ductal carcinoma plueral effusion
Mammary ductal carcinoma_human_45537
Mammary ductal carcinoma_human_45523
Mammary ductal carcinoma_human_45535
transformed primary embryonal kidney_human

Housekeeper Target

23.40229767	24.718297
24.57459367	25.62105175
23.935565	25.064095
24.06496275	24.8361145
24.286542	25.59857167
24.271219	25.62112767
24.136573	25.86051867

Figure 3.

Target Normalized with Housekeeper

Sample

Human Genomic_clontech (Calibrator)
Malignant mammary adenocarcinoma pleural effusion
Mammary ductal carcinoma plueral effusion
Mammary ductal carcinoma_human_45537
Mammary ductal carcinoma_human_45523
Mammary ductal carcinoma_human_45535
transformed primary embryonal kidney_human

Δ Ct

Stdev (Δ Ct)

1.69	0.22
-1.85	0.14
1.12	0.24
1.02	0.16
0.49	0.26
1.03	0.18
1.81	0.15

Figure 4.**Target Normalized with Housekeeper**

Sample	ΔCt	Stdev (ΔCt)	$\Delta\Delta Ct$	Stdev ($\Delta\Delta Ct$)	Comparative expression level
Human Genomic_clontech (Calibrator)	1.69	0.22	0	0.22	1
Malignant mammary adenocarcinoma pleural effusion	-1.85	0.14	-3.54	0.14	11.60
Mammary ductal carcinoma plueal effusion	1.12	0.24	-0.57	0.24	1.48
Mammary ductal carcinoma_human_45537	1.02	0.16	-0.67	0.16	1.59
Mammary ductal carcinoma_human_45523	0.49	0.26	-1.20	0.26	2.30
Mammary ductal carcinoma_human_45535	1.03	0.18	-0.66	0.18	1.58
transformed primary embryonal kidney_human	1.81	0.15	0.12	0.15	0.92